

DERWENT-ACC-NO: 1992-168084  
DERWENT-WEEK: 199221  
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TITLE: Hydrocarbon and biomass utilisation useful for  
prodn. of hydrogen fuel  
- involves thermal decomposition of one or more of  
combustion of part of  
hydrogen prod. and energy supply from high temp. nuclear  
reactor etc.

INVENTOR: MARINESCU-PASOI, L; SANDSTEDE, G

PATENT-ASSIGNEE: BATTELLE-INST EV[BATT]

PRIORITY-DATA: 1990DE-4035927 (November 12, 1990)

PATENT-FAMILY:

PUB-NO	PUB-DATE	LANGUAGE
DE 4035927 A	May 14, 1992	N/A
009	C01B 003/02	
EP 485922 A1	May 20, 1992	G
003	C01B 003/02	

DESIGNATED-STATES: AT BE CH DE DK ES FR GB GR IT LI LU NL  
SE

CITED-DOCUMENTS: 3.Jnl.Ref; DE 2752472 ; JP 01203201 ; JP  
60235890 ; US 4410504

APPLICATION-DATA:

PUB-NO	APPL-DESCRIPTOR	APPL-NO
DE 4035927A	N/A	1990DE-4035927
November 12, 1990		
EP 485922A1	N/A	1991EP-0119176
November 11, 1991		

INT-CL (IPC): C01B003/02; C01B003/22 ; C01B005/00 ;  
C01B031/02 ;  
F02B043/10

ABSTRACTED-PUB-NO: DE 4035927A

PAT-NO: DE003526879A1

DOCUMENT-IDENTIFIER: DE 3526879 A1

TITLE: Method and device for preventing fires or to prevent explosions or unwanted reactions taking place upon air coming into contact with goods placed in a delimited volume, especially of fuel to be transported in tank semitrailer or silo trains or of chemical products to be transported

PUBN-DATE: February 5, 1987

INVENTOR-INFORMATION:

NAME

MAECHLING, HELFRIED

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ASSIGNEE-INFORMATION:

NAME

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COUNTRY

N/A

APPL-NO: DE03526879

APPL-DATE: July 26, 1985

PRIORITY-DATA: DE03526879A (July 26, 1985)

INT-CL (IPC): A62C003/12

EUR-CL (EPC): A62C003/04 ; B01J019/14

US-CL-CURRENT: 169/45

ABSTRACT:

CHG DATE=19990617 STATUS=O> In order to prevent fires or explosions or to prevent unwanted reactions taking place upon air coming into contact with goods placed in a delimited volume such as, for example, when transporting fuel or chemical products in tank semitrailer trains or in silo trains, a protective

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gas atmosphere is generated and/or maintained above the goods placed in the delimited volume by there being generated, for example prior to filling the tank, a cushion of nitrogen which floats on the fuel when it is fed in and which displaces the air from the tank in the manner of a piston. Alternatively, it is possible to introduce nitrogen after the fuel or another material has been fed in and to form a nitrogen layer which shields the material from the air. The device has at least one reservoir containing protective gas, at least one connection line leading from the protective gas reservoir to the delimited volume for supplying protective gas into the delimited volume and a valve disposed in the connection line for enabling the supply of the protective gas.